Year 2 Mathematics
Halves & Quarters - Worksheet 27
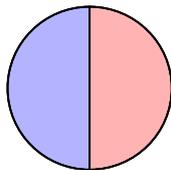
Shapes (Area Model)

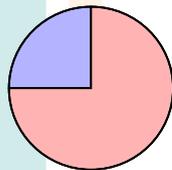**Name:** _____   **Date:** _____

Section 1: Identify the Half (Fluency)

Tick () the shapes that show one half (2 equal parts).
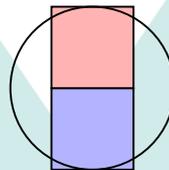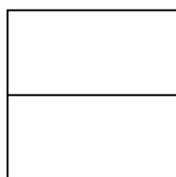
Question 1: Which circle shows halves?

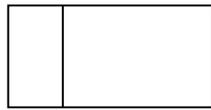A   B   C

Answer: Tick _____

Question 2: Colour one half of the square.

Question 3: Which rectangle is divided into halves (equal parts)?
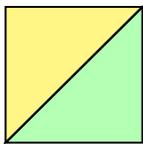
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A   B

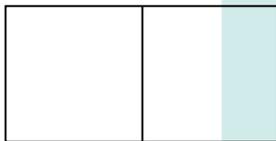**Answer:** _____

Question 4: Is this shape cut in half? Circle YES or NO.

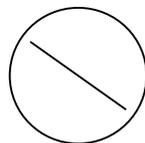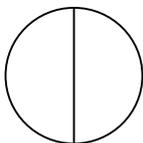**Circle:**   YES   NO

Question 5: Colour one half of this rectangle.

Question 6: Which shape shows halves? Tick the correct one.

☐   ☐
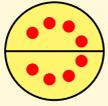
Halfway Hero!

Why did the pizza go to school? To get a PIECE of education!

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Section 2: Identify Quarters (Reasoning)

Look at the shapes divided into parts. Find the quarters!

Question 7: Tick the circle that is cut into quarters (4 equal parts).
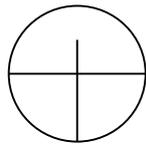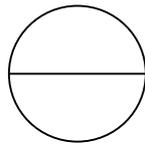
A   B   C

Answer: _____

Question 8: Colour one quarter of the rectangle.
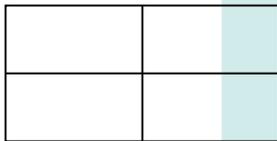
Question 9: Which square is divided into quarters?
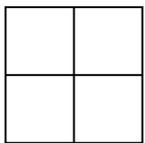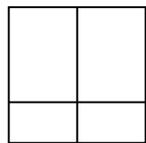
A   B

Answer: _____

Question 10: How many quarters are in one whole?

4

Answer: _____ quarters

Question 11: Colour one quarter of this circle.

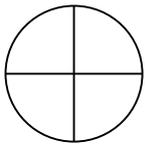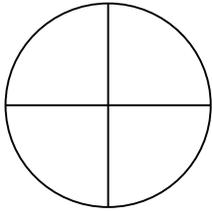**Question 12:** True or False: Two quarters make one half.

Circle: TRUE   FALSE

Question 13: Which shape shows quarters? Tick it.

☐   ☐
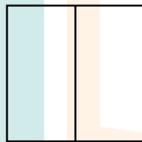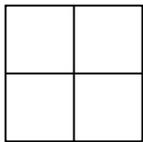
Fraction Fanatic!

Why did the apple go to the doctor? It wasn't feeling HOLE anymore!

5

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Section 3: Draw the Parts (Challenge)

Draw lines to divide the shapes as instructed.

Question 14: Draw a line to cut this circle in half.
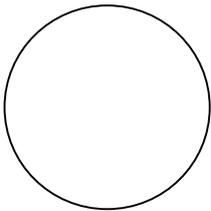
Question 15: Draw lines to cut this square into quarters.
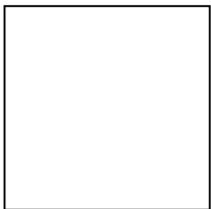
Question 16: Draw a line to split this rectangle into 2 equal halves.

Question 17: Draw lines to divide this circle into 4 equal parts (quarters).

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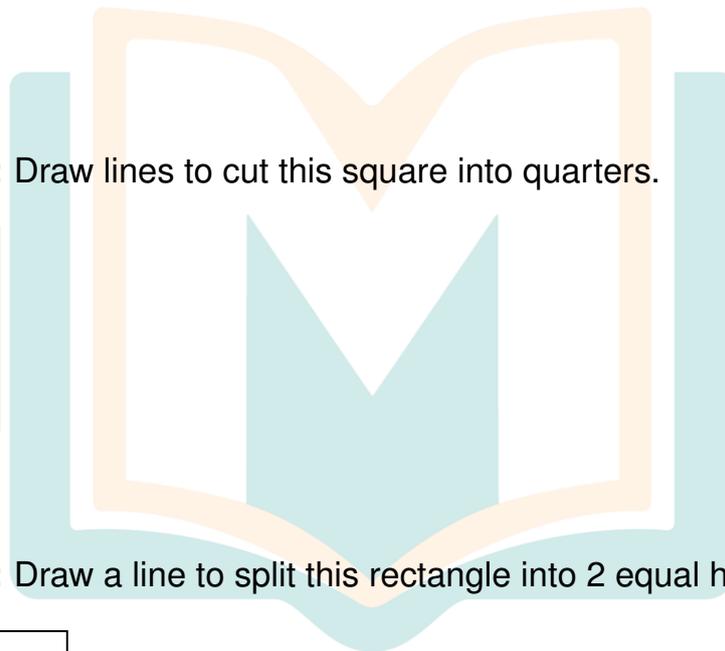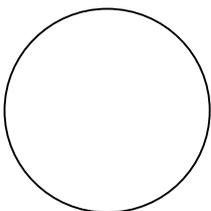
Question 18: Draw a line to cut this triangle in half.
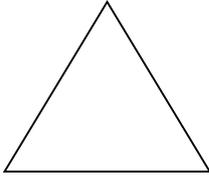
Question 19: Can you cut this rectangle into 4 equal parts? Draw the lines.
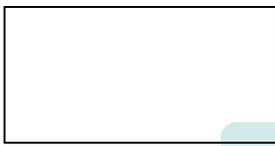
Question 20: Shade one quarter of this shape.
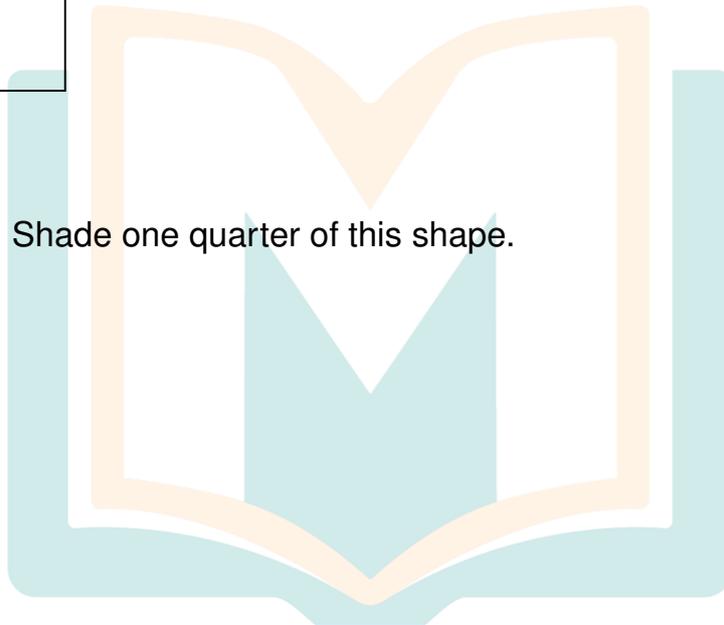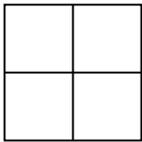
Quarter Champion!

Why was the frog so good at fractions? Because it could JUMP halfway and then half again!

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Answer Key
Worksheet 27: Shapes (Area Model)

Section 1: Identify the Half

1. Tick A and C (both show equal halves)

2. Colour either the top or bottom half

3. A (Rectangle A shows equal halves)

4. YES (the triangle is divided into 2 equal parts)

5. Colour either the left or right half

6. Tick the first shape (vertical line through center creates equal halves)

Section 2: Identify Quarters

7. A (Circle A shows 4 equal parts)

8. Colour any one of the 4 sections

9. A (Square A is divided into 4 equal quarters)

10. 4 quarters

11. Colour any one of the 4 sections

12. TRUE (two quarters equal one half)

13. Tick the first shape (shows 4 equal parts)

Section 3: Draw the Parts

14. Draw any straight line through the center (diameter)

8

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15. Draw one vertical and one horizontal line through the center

16. Draw a vertical or horizontal line through the middle

17. Draw two perpendicular lines through the center (like a plus sign)

18. Draw a line from the top vertex to the middle of the base

19. Draw either: (a) one vertical and one horizontal line, or (b) two vertical lines

20. Shade any one of the 4 equal sections

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Year 2 Mathematics
Halves & Quarters - Worksheet 28

Collections (Discrete Model)

Name: _____ **Date:** _____

Section 1: Half of a Group (Fluency)

Find half by sharing into 2 equal groups.

Question 1: Circle half of the stars. What is half of 8?

Answer: Half of 8 is _____

Question 2: Find half of 10. Draw a line to split them into 2 groups.

Answer: Half of 10 is _____

Question 3: Circle half of the hearts.

Answer: Half of 6 is _____

Question 4: What is half of 12?

10

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Answer: Half of 12 is _____

Question 5: Emma has 14 pencils. She gives half to her friend. How many does she give?

Answer: Emma gives _____ pencils.

Question 6: Find half of 20.

Answer: Half of 20 is _____

Sharing Star!

SHARE!

Why did the cookie go to the doctor? Because it felt CRUMBLY after being cut in half!

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Section 2: Quarter of a Group (Reasoning)

Find a quarter by sharing into 4 equal groups.

Question 7: Circle a quarter of the dots. What is a quarter of 12?

● ● ● ● ● ● ● ● ● ● ● ●

Answer: A quarter of 12 is _____

Question 8: Share 8 apples into 4 equal groups. How many in each group?

● ● ● ● ● ● ● ●

Answer: _____ apples in each group.

Question 9: What is a quarter of 16?

▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢ ▢
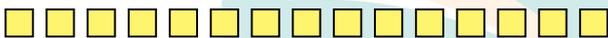
Answer: A quarter of 16 is _____

Question 10: Find a quarter of 20. Draw lines to split into 4 groups.

● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

Answer: A quarter of 20 is _____

Question 11: True or False: A quarter of 8 is 2.

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Circle: TRUE FALSE

Question 12: Circle a quarter of these triangles.

△ △ △ △ △ △ △ △

Answer: A quarter of 8 is _____

Quarter Master!

What do you call a quarter that tells jokes? A FUNNY FRACTION!

$\frac{1}{4}$

13

Section 3: Word Problems (Challenge)

Read carefully and solve these fraction problems.

Question 13: I have 12 cookies. I eat one quarter of them. How many did I eat?

Answer: I ate _____ cookies.

Question 14: Ben has 20 cents. He spends half. How much does he have left?

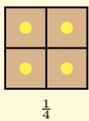**Answer:** Ben has _____ cents left.

Question 15: There are 16 students in a class. Half are boys. How many boys are there?

Answer: There are _____ boys.

Question 16: Sarah has 24 stickers. She gives a quarter to her sister. How many stickers does her sister get?

Answer: Her sister gets _____ stickers.

Question 17: A farmer has 18 eggs. He uses half to make a cake. How many eggs does he use?

Answer: He uses _____ eggs.

14

Question 18: There are 8 lollies in a bag. You eat a quarter of them. How many lollies are left?

Answer: There are _____ lollies left.

Question 19: Mia has 10 crayons. She loses half of them. How many does she have now?

Answer: Mia has _____ crayons now.

Question 20: There are 20 apples. A quarter are green and the rest are red. How many green apples are there?

Answer: There are _____ green apples.

Fraction Champion!

Why did the student love fractions? Because they're PART of being a maths superstar!

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Answer Key
Worksheet 28: Collections (Discrete Model)

Section 1: Half of a Group

1. Circle 4 stars; Half of 8 is 4

2. Draw a line after the 5th dot; Half of 10 is 5

3. Circle 3 hearts; Half of 6 is 3

4. Half of 12 is 6

5. Emma gives 7 pencils (half of 14)

6. Half of 20 is 10

Section 2: Quarter of a Group

7. Circle 3 dots; A quarter of 12 is 3

8. 2 apples in each group (

$$8 \div 4 = 2$$

)

9. A quarter of 16 is 4

10. Draw lines to make 4 groups of 5; A quarter of 20 is 5

11. TRUE (

$$8 \div 4 = 2$$

)

12. Circle 2 triangles; A quarter of 8 is 2

16

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Section 3: Word Problems

13. I ate 3 cookies (a quarter of 12)

14. Ben has 10 cents left (half of 20 is 10)

15. There are 8 boys (half of 16)

16. Her sister gets 6 stickers (a quarter of 24)

17. He uses 9 eggs (half of 18)

18. There are 6 lollies left (8 - 2 = 6; a quarter of 8 is 2)

19. Mia has 5 crayons now (half of 10)

20. There are 5 green apples (a quarter of 20)

Amazing Work, Fraction Superstars!

You've mastered halves and quarters!

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